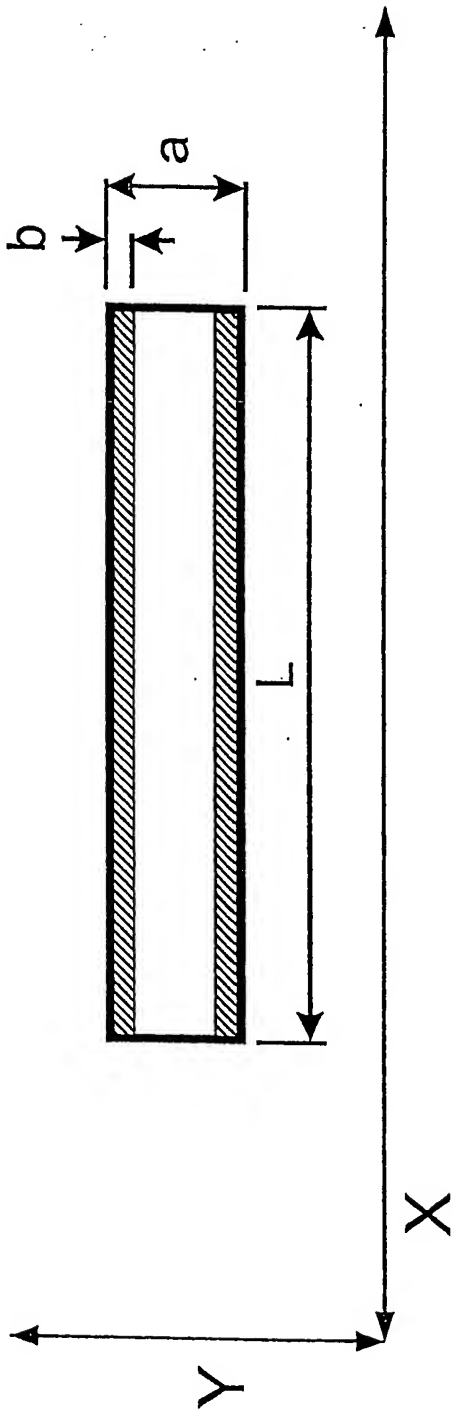

FIGURE 1A

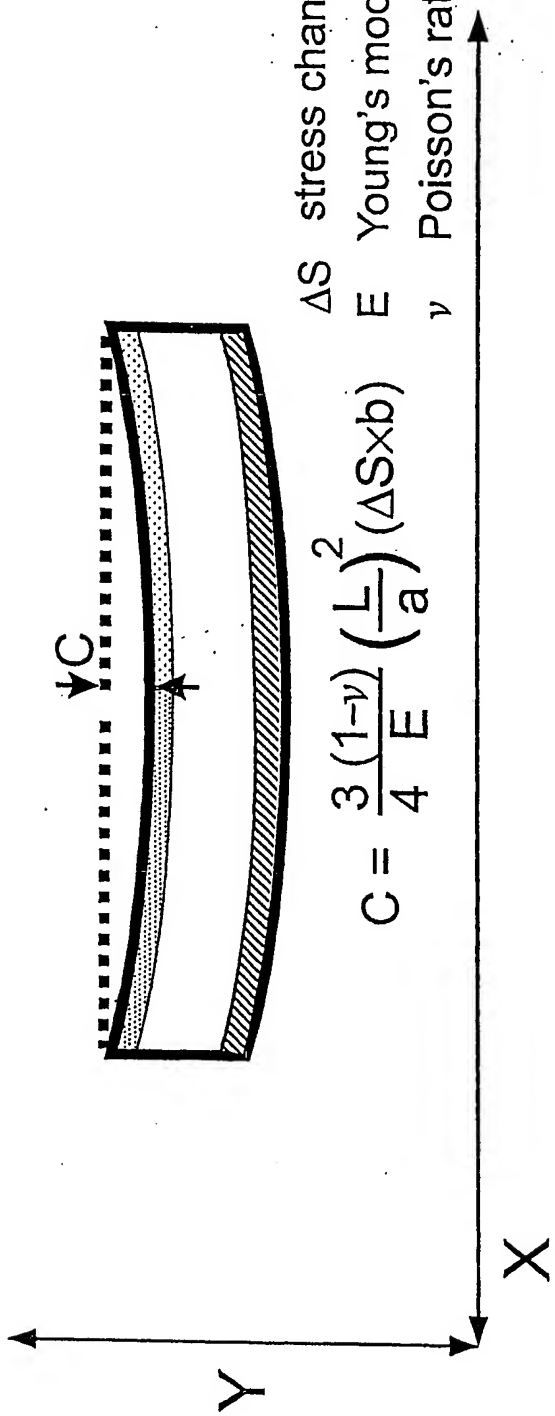

FIGURE 1B

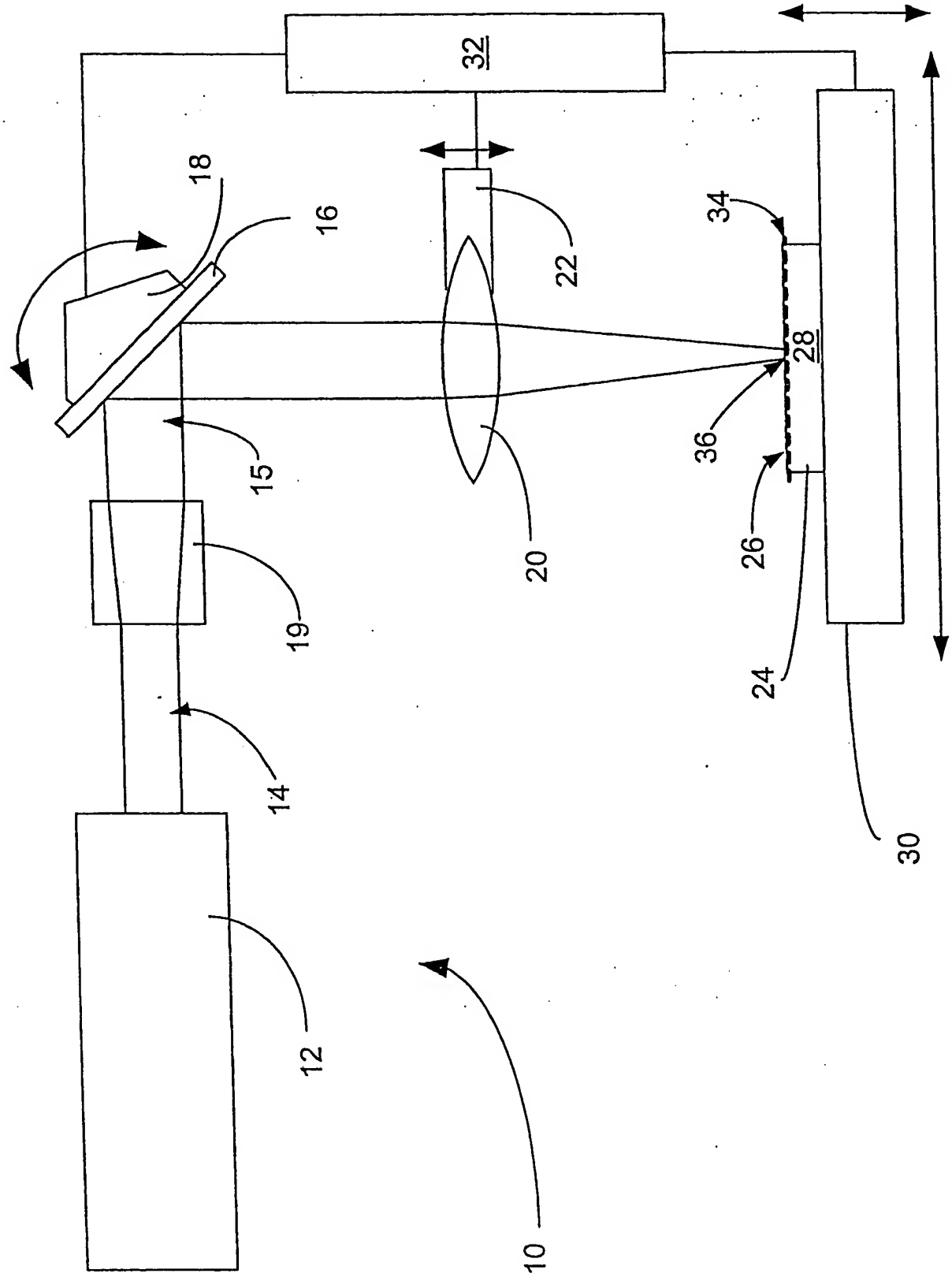

FIGURE 2

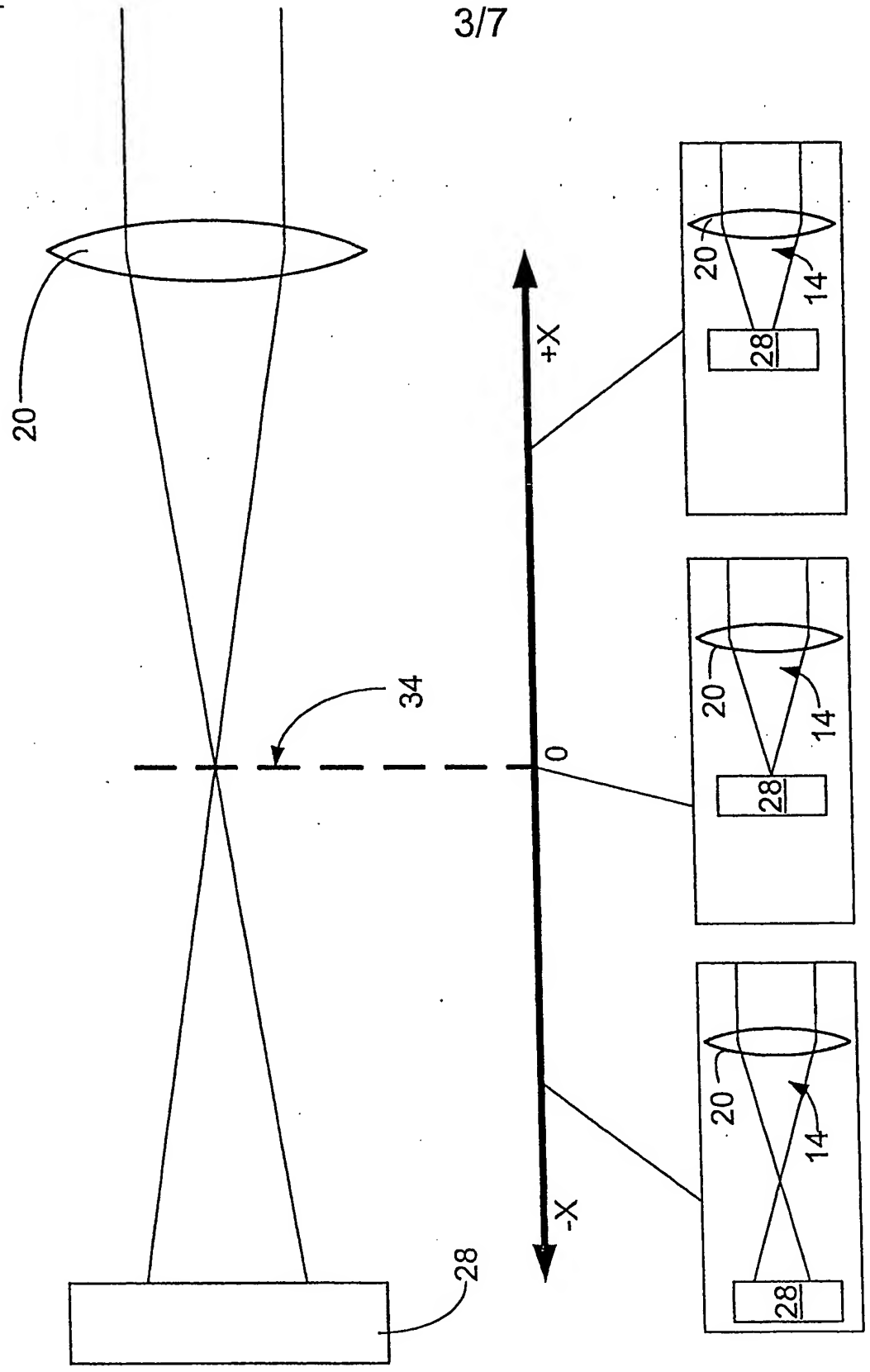

FIGURE 3

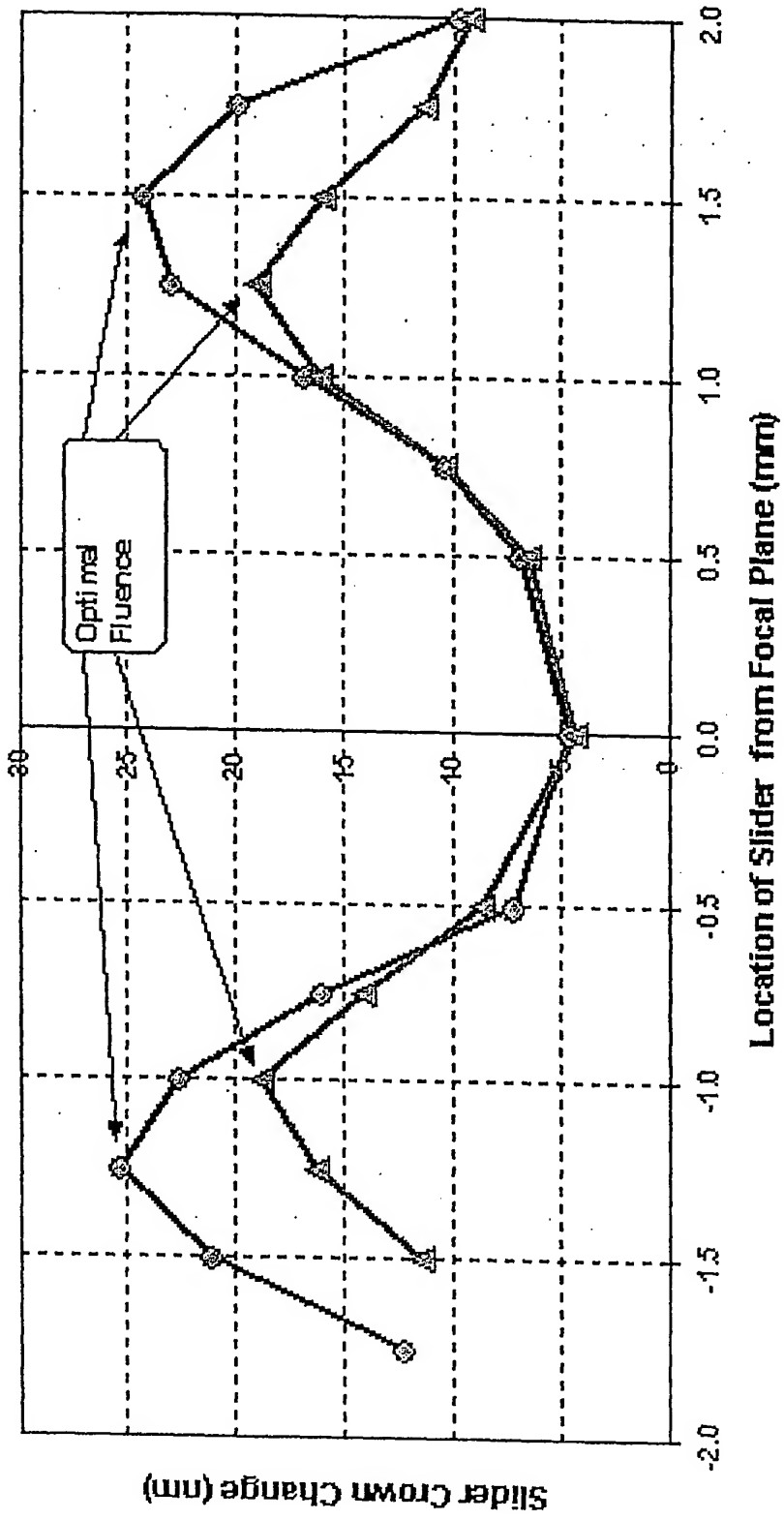
Slider Crown Change (nm)
-30
-25
-20
-15
-10
-5
0
2.0
1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5
-2.0
Location of Slider from Focal Plane (mm)
Optimal Fluence
2.0W
1.75W

FIGURE 4

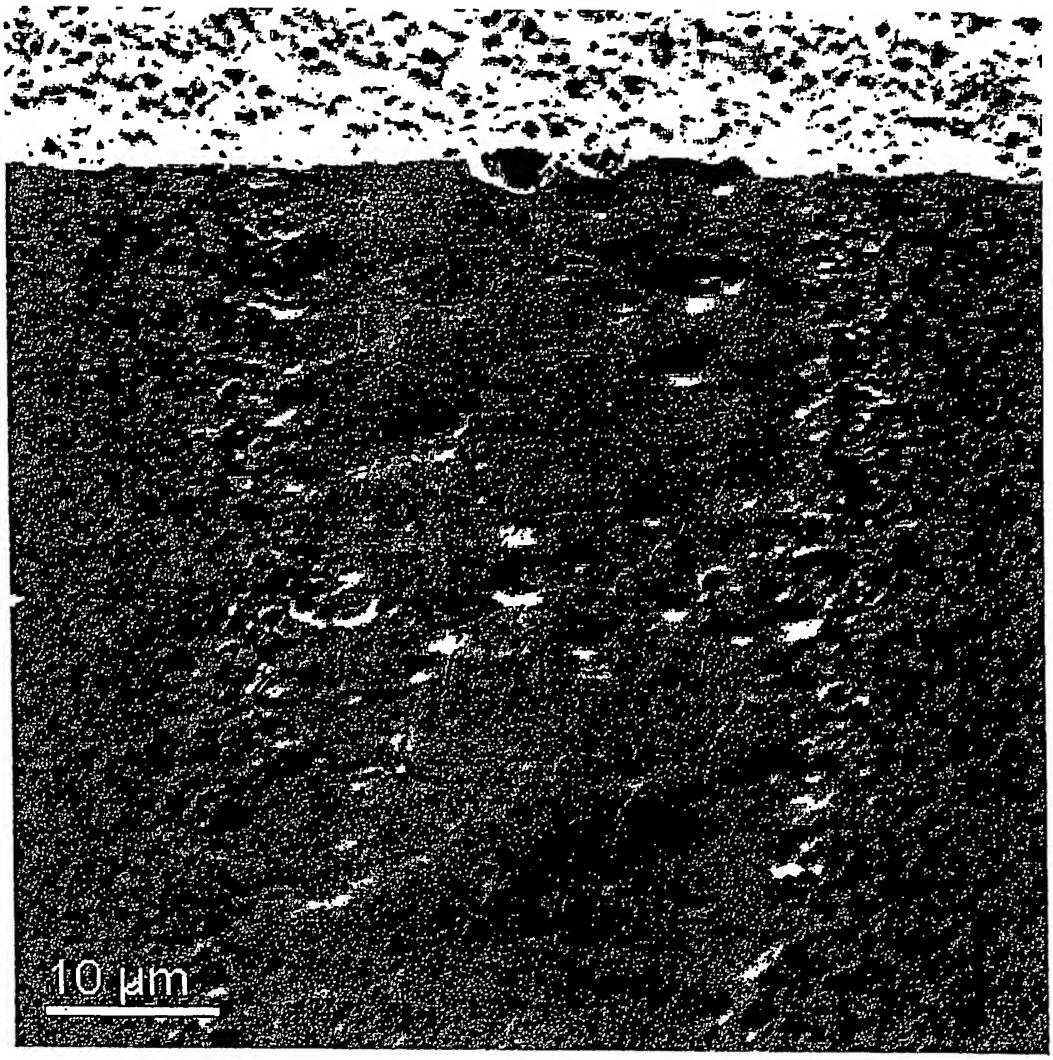

FIGURE 5

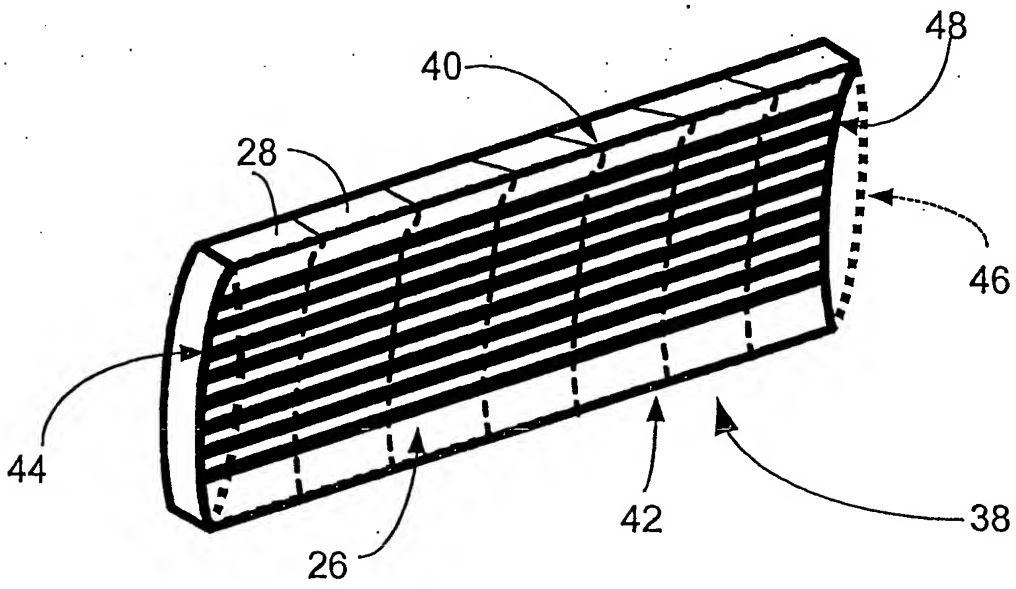

FIGURE 6

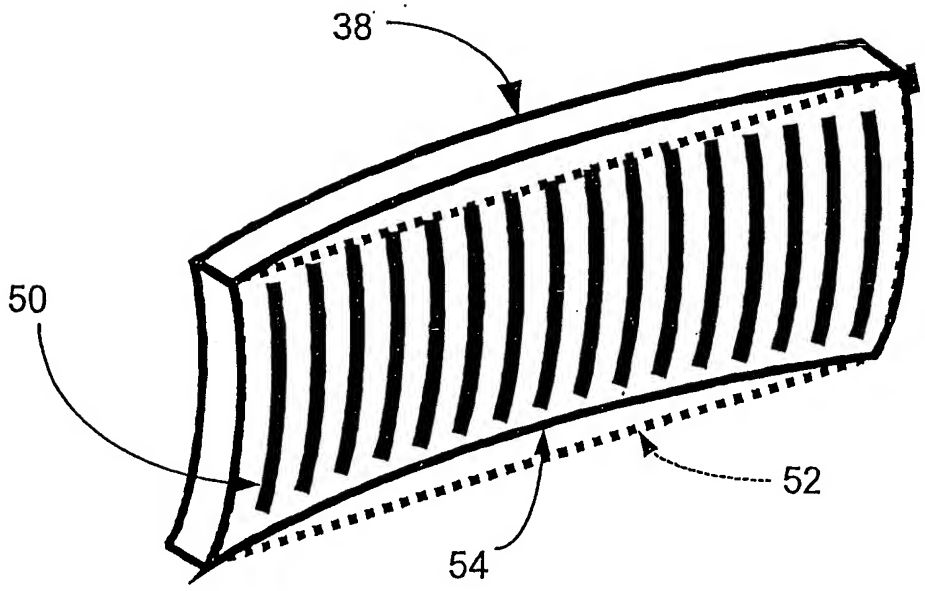

FIGURE 7

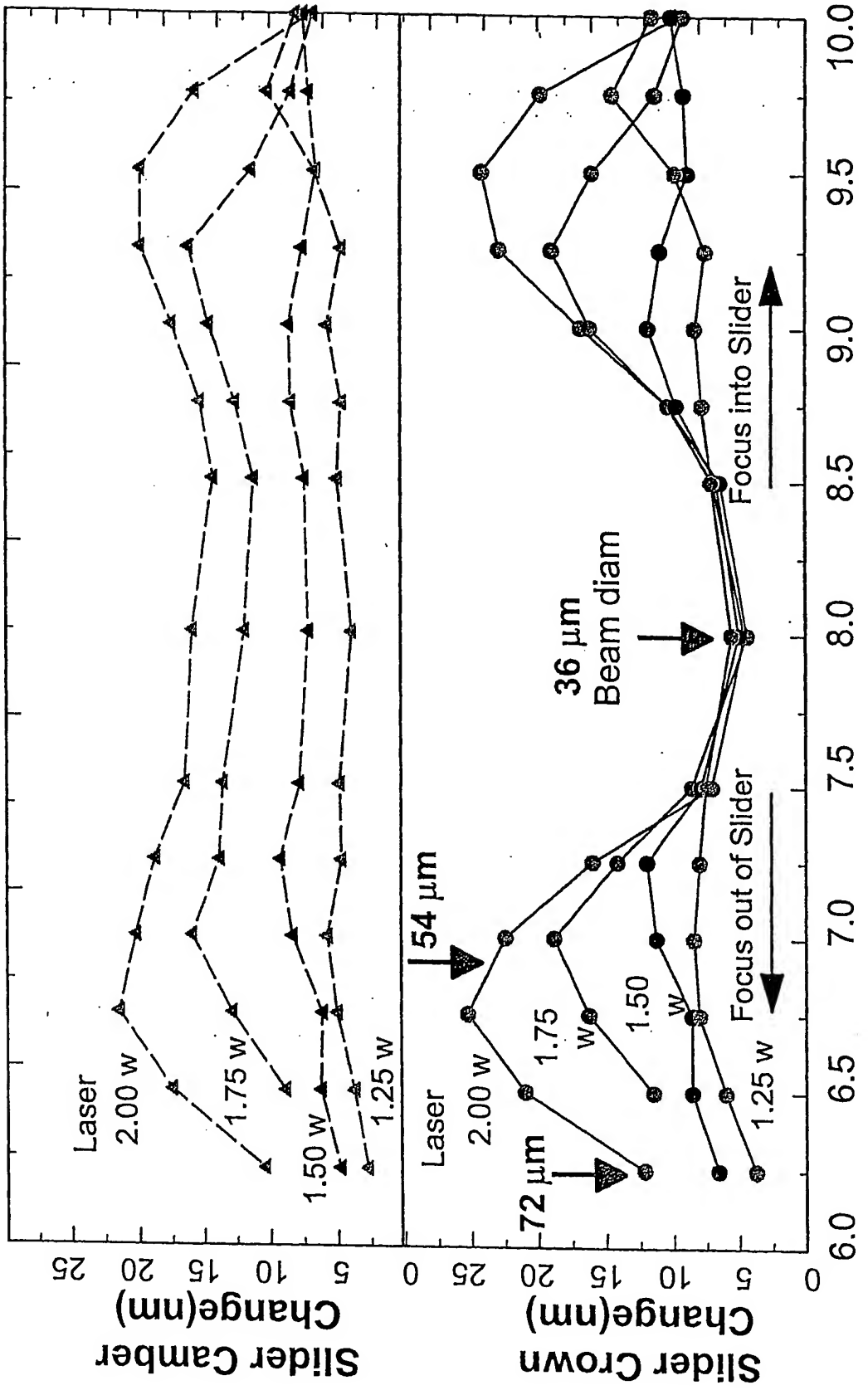
Slider Crown Change(nm)
Slider Camber Change(nm)
Laser Beam Focusing Position (mm)
Laser
2.00 w
1.75 w
1.50 w
1.25 w
54 µm
72 µm
36 µm
Beam diam
Focus into Slider
Focus out of Slider
0
5
10
15
20
25
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0

FIGURE 8